IBM Personal System/2 Model 25 Family

Compact design for basic computing in a cost-efficient package

Whether you choose the IBM Personal System/2® Model 25 286 or Model 25, you'll get the most economical system in the PS/2® family. The Model 25 286, with its 80286 processor and VGA graphics, is ideal as a workstation for teachers and administrators—as well as for students with more demanding processing needs. And it fits naturally in business environments, either connected in a network or as a standalone system.

The Model 25 has always been well suited for classroom use. And because of its simplicity of design and basic computing capability, it works equally well in offices and homes with less intensive processing requirements.

Both the Model 25 286 and Model 25 share the same two-element design that integrates the system and display into a single unit. And with their integrated architecture, popular features are built right in, not added on at extra cost. It all adds up to a family of entry-level computers that delivers excellent performance and power at an economical price.

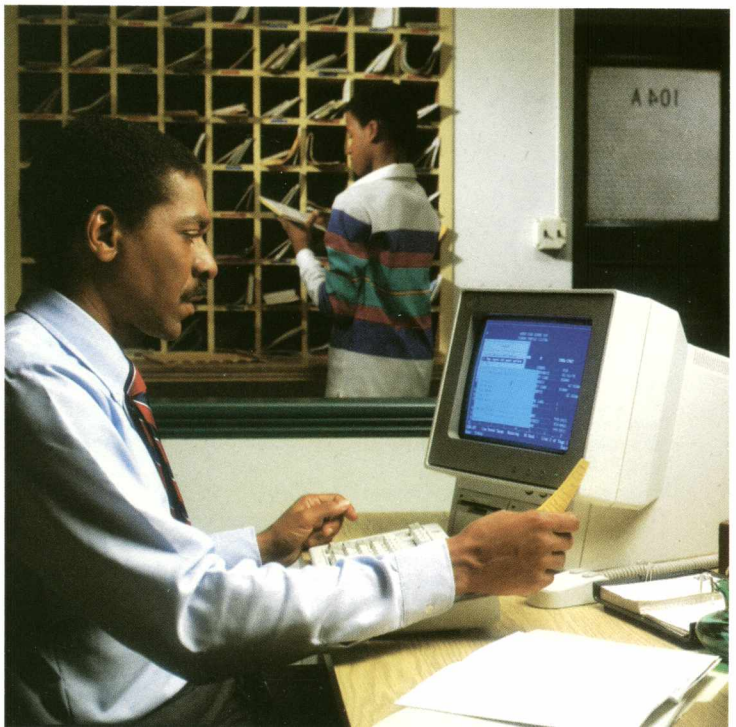
Models 25 and 25 286 at work

Here are some of the ways you can put the Model 25 family to work for you:

- Use in the classroom as student computers
- Plan lessons and lectures for students
- Organize school administrative functions such as curriculum planning and teacher scheduling
- Support business applications—like word processing and spreadsheet programs—with ease
- Get fast, dependable access to a host when your Model 25 is connected in a LAN
- Complete your work at home with professional results

IBM

Feature	Benefit
Integrated two-element design	• Eliminates the cost of a separate display, producing significant system savings • Makes the system more easily transportable
Network and host-emulation capabilities	• Let you communicate with a host via many different protocols • Enable you to share network peripherals, files and programs with ease
Bolt-down feature	• Deters unauthorized removal of computer • Secures machine in place
IBM Space Saving Keyboard	• Has all the functions of IBM's full-size keyboard • Requires less room on your desk
IBM PS/2 Enhanced Keyboard	• Includes a separate numerical keypad and lighted mode indicators, so entering numbers and using function keys is more convenient • Offers the standard PS/2 keyboard layout for consistency of use
Intel 80286 microprocessor (Model 25 286)	• Handles data 16 bits at a time to help process large jobs quickly • Up to twice as fast as Model 25; up to 4½ times faster than the IBM PC
Increased user memory capability (Model 25 286)	• Gives you increased speed and workspace • Lets you run multiple applications and work with large amounts of data
1.44Mb 3.5-inch diskette (Model 25 286)	• Offers the same high-density diskette storage as larger PS/2s • Stores up to 720 pages[1] of data on a small, durable diskette
Internal fixed disk drive (Model 25 286)	• Provides large storage capacity • Processes data with a fast access time of 27ms (30Mb fixed disk drive only)
Built-in VGA display (Model 25 286)	• Gives you sharp, high-resolution images equivalent to those of the IBM 8513 Color Display • Compatible with programs written for CGA, EGA and MCGA display modes
Clock/calendar (Model 25 286)	• Assures the correct time and date, thanks to a battery backup
Intel 8086 microprocessor (Model 25)	• Provides high-quality performance for basic computing • Up to 2½ times faster than the IBM PC
512Kb or 640Kb user memory (Model 25)	• Provides efficient data processing for a wide range of basic computing needs
720Kb 3.5-inch diskette drive (Model 25)	• Stores up to 360 pages[1] of data on a small, durable diskette
Built-in MCGA display (Model 25)	• Displays up to 256 colors at a time from a palette of 256,000



Wide range of options[2]

	Part no.
Storage devices	
• 1.44Mb 1 inch High Diskette Drive I (286 only)	6451063
• 20Mb Fixed Disk Drive I (286 only)	6451075
• 30Mb Fixed Disk Drive I (286 only)	6451076
• 3.5" 720Kb Diskette Drive (Model 25 only)	6451056
• 20Mb Fixed Disk Drive (Model 25 only)	78X8958
• 5.25" 360Kb External Diskette Drive	4869001
• 6157 Streaming Tape Drive (60Mb)	6157001
• 6157 Streaming Tape Drive (150Mb)	6157002
• 6157 Streaming Tape Drive Adapter	59X4156
• 3363 Optical Disk Drive (-A01, -B01)	63X4131/ 63X4182
Scanners	
• 3117/3118 Scanners	3117010/ 3118010
Connectivity/communications	
• Token-Ring Network PC Adapter II	25F9858
• Token-Ring Network 16/4 Adapter	25F7367
• PC Network Baseband Adapter	1501221
• PC Network Broadband Adapter II	1501220
• Realtime Interface Co-Processor (128Kb)	85X2710
• Realtime Interface Co-Processor (512Kb)	85X2706
• Serial/Parallel Adapter	6450215
• Enhanced 5250 Emulation Adapter Kit	30F5383
• 3278/3279 Emulation Adapter	8575427
• System/370™ Channel Emulation Card	6193413
Graphics and multimedia	
• Audio Capture and Playback Adapter	34F2783
Other features	
• Personal System/2 Speechviewer™ Convenience Kit	6450610
• Personal System/2 Speech Adapter	1501216
• IBM PC Music Feature	8575427
• Mouse	6450350
• Game Control Adapter	1501300

Memory matrix tables

Memory on system board	Model 25	Model 25 LAN Station	Model 25 286 (-006, -G06)	Model 25 286 (-036, -G36)
Standard memory	512Kb	640Kb	512Kb	1Mb
Maximum system board memory	640Kb	640Kb	4Mb*	4Mb*
System board memory expansion kits	128Kb (78X8955)	N/A	512Kb (30F5348) 2Mb (30F5360)	2Mb (30F5360)
Number of memory kits that can be added on system board	1	0	1	0
Memory configurations possible on system board	640Kb	640Kb	512Kb, 1Mb, 2Mb, 4Mb*	1Mb, 2Mb, 4Mb*
Maximum system memory	640Kb	640Kb	16Mb**	16Mb**

**The -006 and -G06 models can be expanded to 1Mb by adding a 512Kb memory module kit. All 25 286 models can be expanded to 2Mb by replacing both of the standard 512Kb memory module kits with one 2Mb memory module kit; expansion to 4Mb requires replacing two 512Kb memory module kits with two 2Mb memory module kits.*

***While the Model 25 286 supports memory up to 16Mb, achieving memory configurations above 4Mb requires installation of non-IBM memory features.*

Why PS/2?

Here are some of the reasons why PS/2 stands out as the best solution for your business needs.

Technological leadership through integrated construction and advanced design that combines Very Large Scale Integration (VLSI), Surface Mount Technology (SMT), and support for large memory.

System integration for simplicity, ease of use, more available desk space, and a lower total cost.

Extensive communications capabilities—through a wide range of connectivity options—provide concurrent support for intelligent communications adapters.

Compatibility to protect your investment since the PS/2s you have today work with existing products and programs and with those you'll need tomorrow.

Service and support that provide you with everything from fast parts delivery to on-site services to system planning to 24-hour phone support—all at a competitive price.

Business Partners who enhance PS/2 capabilities by helping customers choose, customize and configure hardware and software to meet a range of needs.

Quality and reliability that ensure PS/2s are built to perform smoothly and dependably year after year.

[1] *8½" x 11" double-spaced typewritten pages.*
[2] *Additional parts may be required for specific functions or installation.*
[3] *Entry-level OS/2 environment; minimum 2Mb and 30Mb fixed disk recommended for OS/2.*
[4] *Supplies power to both system and display.*
[5] *LAN Station monochrome and color units weigh close to an additional 1 lb. each.*
[6] *Achieving this configuration requires installation of non-IBM memory card.*

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IBM PS/2 Model 25 family at a glance

Model type	Model 25 Standard	Model 25 LAN Station	Model 25 286
Machine numbers	8525-001, -004, -G01, -G04	8525-L01, -L04	8525, -006, -G06, -036, -G36
Microprocessor	8086, 8 MHz, 0 wait states	8086, 8 MHz, 0 wait states	80286, 10 MHz, 1 wait state
Data path	16-bit	16-bit	16-bit
Optional Math Co-Processor	8087, 8 MHz (1501217)	8087, 8 MHz (1501217)	80287, 10 MHz (6450356)
Memory (RAM)			
Standard	512Kb (150ns)	640Kb (150ns)	512Kb (-006, -G06)/ 1Mb (-036, -G36) (120ns)
Maximum on system board	640Kb	640Kb	1Mb/4Mb
System maximum	640Kb	640Kb	16Mb[6]
Integrated functions	*Model 25 and Model 25 286:* serial port, parallel port, keyboard port, pointing device port, audio earphone connector, diskette controller, built-in fixed disk controller/keylock (systems with fixed disk drives) *Model 25 286:* Video Graphics Array (VGA), clock/calendar, security password feature *Model 25:* MultiColor Graphics Array (MCGA), Token-Ring Network Adapter (LAN Station models -L01, -L04)		
Available expansion slots	Two 8-bit slots; one full-size and one 8-inch		Two 16-bit slots; one full-size and one 8-inch
Storage			
3.5-inch diskette drives			
Standard	1 (720Kb)	1 (720Kb)	1 (1.44Mb)
Maximum (optional)	2 (720Kb)	2 (720Kb)	2 (1.44Mb)
Fixed disk drives/ access time			
Standard			30Mb (-036, -G36)/27ms
Optional	20Mb/80ms	20Mb/80ms	20Mb (-006, -G06)/35ms 30Mb (-006, -G06)/27ms
Display modes	*Model 25 286:* VGA (includes EGA, CGA and MCGA modes) Text mode: 360 or 720 x 400 pels; 9 x 16 pel character matrix; 80 columns x 25 rows; up to 16 colors Graphics mode: 320 x 200 pels x 256 colors 640 x 480 pels x 16 colors 256,000 colors *Model 25:* MCGA (includes all CGA modes) Text mode: 640 x 400 pels; 8 x 16 pel character matrix; 80 columns x 25 rows; up to 16 colors Graphics mode: 320 x 200 pels x 256 colors 640 x 480 pels x 2 colors 256,000 colors		
Displays	*Model 25 286:* 12-inch (diagonal measurement) 8513-equivalent color VGA display *Model 25:* 12-inch (diagonal measurement) monochrome (-001, -G01, -L01) or color (-004, -G04, -L04) display		
Keyboard	*IBM Space Saving Keyboard:* (Model 25 286-006, -036; Model 25-001, -004) 84 keys, including 12 function keys; 5-foot cable *IBM Enhanced Keyboard:* (Model 25 286-G06, -G36; Model 25-G01, -G04, -L01, -L04) 101 keys, including three lighted mode indicators; 6-foot cable		
Supported printers/ plotters	IBM Proprinter™ family, IBM LaserPrinter and IBM LaserPrinter E, IBM Quietwriter® printers, IBM Pageprinter family, IBM Personal Page Printer II, IBM Quickwriter® Printer, IBM Wheelprinter family, IBM 618X and 737X Color Plotters		
Operating systems	DOS 3.3 and 4.0; IBM Operating System/2,™ Standard Edition and Extended Edition 1.1 and 1.2 (Model 25 286 only)[3]		
Power supply	*Model 25 286:* 124.5-watt;[4] 50–60 Hz; switchable between low range (100–125 VAC) and high range (200–240 VAC) *Model 25:* 90-watt[4] (-001, -G01, -L01) or 115-watt (-004, -G04, -L04); 50–60 Hz; switchable between low range (90–137 VAC) and high range (180–259 VAC)		
Size	*Model 25 286:* Approx. 12.6" W x 14.7"D x 15"H (320mm x 375mm x 382mm); 37 lbs. (16.8 kg) (-036, -G36), 35.3 lbs. (16 kg) (-006, -G06) *Model 25:* Approx. 12.6" W x 14.7"D x 15"H (320mm x 375mm x 382mm); 31 lbs. (14 kg) monochrome unit, 36 lbs. (16 kg) color unit[5]		
Warranty	One-year limited warranty		

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